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Abstract

SELF-REPAIRING OPERATING SYSTEM FOR COMPUTER ENTITIES

A method of installing an operating system into a computer entity comprising at least one data storage device, a primary operating system and an emergency operating system, the method characterized by comprising the steps of: creating a copy of the primary operating system on an operating system back-up area of the data storage device of the computer entity; operating the computer entity using the emergency operating system; storing data of the computer entity on a user settings archive of the data storage device; replacing the primary operating system with the copy of the primary operating system; automatically checking for corrupted data on the user settings archive; restoring settings data of the computer entity from the user settings archive. In the event of a failure involving data corruption, application data may be deleted and recreated in a known good default state.

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